

WHAT IS CLAIMED IS:

1. A thin-strip casting device that is supplied with steel melt from a steel foundry, the thin-strip casting device comprising:

- a. at least one pair of pivotably supported parallel casting rollers axially spaced adjacent to each other so as to define a kiss point for receiving steel melt, wherein said casting rollers have approximately the same design, rotate in mutually opposite directions, and have a predetermined length which relates to a resulting strip width; and
- b. lateral seals disposed at each lateral end of said at least one pair of casting rollers so as to form a funnel area between said pair of casting rollers and said lateral seals;

wherein a multitude of interchangeable pairs of casting rollers are associated with the thin-strip casting device and said pairs of casting rollers have different diameters based on their widths.

2. The thin-strip casting device according to claim 1, wherein each of said pair of casting rollers has a shell

length defined by the strip width and a diameter defined so that the product of said shell length and said diameter of every pair of casting rollers in the thin-strip casting device is approximately the same.

3. The thin-strip casting device according to claim 1 further comprising:

- a. a holding element disposed on the outer end of each lateral seal, wherein said holding element holds the lateral seal in the thin-strip casting device;
- b. at least one bearing element that runs through each casting roller, wherein said at least one bearing element allows said casting roller to rotate around it;
- c. setting frames in which the ends of said at least one bearing element are installed; and
- d. a change frame in which said pair of casting rollers are situated and upon which said holding element and said setting frames are installed.

4. The thin-strip casting device according to claim 3 wherein said setting frames are set to create a desired

strip thickness by means of a hydraulically activated setting cylinder, wherein said cylinder is disposed in said setting frame and said cylinder moves said at least one pair of casting rollers closer together or further apart.

5. The thin-strip casting device according to claim 3, wherein said setting frames are set to create a desired strip thickness by means of a pneumatically activated setting cylinder, wherein said cylinder is disposed in said setting frame and said cylinder moves said at least one pair of casting rollers closer together or further apart.

6. The thin-strip casting device according to claim 3, wherein said holding elements are mounted on support surfaces of said change frame.

7. The thin-strip casting device according to claim 1, wherein said lateral seals comprise:

- a. an outer frame that surrounds said lateral seal that is lined with a cast refractor compound; and
- b. an insert disposed on the inside of said lateral seal made of a ceramic material that envelopes the track of said casting roller below said bath height.

8. The thin-strip casting device according to claim 3, wherein said lateral seals are adaptable to casting rollers with different diameters by having a wider space in said inserts at the peripheral surface of said casting rollers to envelope said casting rollers.

9. The thin-strip casting device according to claim 8, wherein said lateral seals are adaptable to casting rollers of different diameters by adjustably guiding said holding elements on guide elements to meet different shell lengths.

10. The thin-strip casting device according to claim 3, wherein two change frames are used so that while one change frame is in use the other is prepared with a pair of casting rollers and lateral seals for the production of the next thin-strip.

11. The thin-strip casting device according to claim 1, wherein said at least one pair of casting rollers are cooled.